## **ABSTRACT**

A protective film for polarizing plates comprises an antireflection layer (reflectance  $\leq 0.5\%$  at 550 nm) having high refractivity layers and low refractivity layers alternately laminated on a thermoplastic film (photoelastic coefficient  $\leq 9.0 \times 10^{-12}$  Pa<sup>-1</sup>, saturated water absorption < 0.05% by weight) and has 0.3 or smaller standard deviation of S, which is obtained by obtaining a reflectance  $R(\lambda)$  at a wavelength  $\lambda$  while  $\lambda$  is increased from 380 to 780 nm by an increment  $\Delta\lambda$  of 1 nm, calculating S:

$$S = \sum_{\lambda=380}^{780} \Delta \lambda \cdot R(\lambda) \qquad \dots (1)$$

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and calculating the standard deviation at 10 points randomly selected within 100 cm<sup>2</sup> on the surface of the film. When the film is disposed on the surface of the visual side of a display device such as a liquid crystal display device, the film prevents reflection and suppresses fluctuation in distributions of luminance and color difference due to the uniform spectral reflectance within the surface of the film.